

**WHAT IS CLAIMED IS:**

1. A hand-operated blood pressure measuring apparatus comprising:
  - a measuring cell having a pressure display for measuring a pressure progression; and
  - a hand-operated operating unit having a pressure generating and regulating device, wherein said measuring cell and said operating unit are detachably connected to each other.
2. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein a holder end is provided for the measuring cell, said holder end is allocated to the measuring cell, and the measuring cell can be detachably connected to said holder end.
3. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the measuring cell and the operating unit can be connected to each other in at least two different predetermined positions with respect to each other.
4. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the measuring cell and the operating unit can be connected to each other in two positions rotated by 180° with respect to each other.
5. The hand-operated blood pressure measuring apparatus as set forth in claim 3, wherein a guiding means is provided for guiding at least one of the measuring cell and the operating unit into the at least two predetermined positions.
6. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the measuring cell and the operating unit can be connected to each other by at least one of a latching, a locking and a plugging connection.

7. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the measuring cell and the operating unit are connected to each other by at least one of a removable connecting element and a bolting element.
8. The hand-operated blood pressure measuring apparatus as set forth in claim 7, wherein the measuring cell and the operating unit are bolted to each other using the at least one of the removable connecting elements and the bolting element.
9. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein an elastic element is provided between the measuring cell and the operating unit.
10. The hand-operated blood pressure measuring apparatus as set forth in claim 9, wherein said elastic element is arranged pressed between the measuring cell and the operating unit when the measuring cell and the operating unit are connected.
11. The hand-operated blood pressure measuring apparatus as set forth in claim 1, comprising:  
an identifying means for individualizing.
12. The hand-operated blood pressure measuring apparatus as set forth in claim 11, wherein said identifying means is attached to at least one of a removable connecting element and a bolting element used to connect the measuring cell and the operating unit.
13. The hand-operated blood pressure measuring apparatus as set forth in claim 7, wherein the removable connecting and bolting element comprise a plate-like region which is at least partially formed transparent.
14. The hand-operated blood pressure measuring apparatus as set forth in claim 13, wherein a connecting means for connecting to the measuring cell and a connecting

means for connecting to the operating unit are provided on the at least one connecting element and bolting element.

15. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the measuring cell is provided as an exchange unit.

16. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the pressure generating and regulating device comprises a valve with a release screw secured by a clamping connection on said valve.

17. The hand-operated blood pressure measuring apparatus as set forth in claim 16, wherein said clamping connection is generated by a spring bow.

18. The hand-operated blood pressure measuring apparatus as set forth in claim 1, wherein the pressure generating device comprises a pump ball which comprises a connecting region sliding inwards to a holder of the operating unit.